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December 2004

Journal of Computing Sciences in Colleges, Volume 20 Issue 2**Publisher:** Consortium for Computing Sciences in CollegesFull text available: [Pdf](#) (333.31 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)**Bibliometrics:** Downloads (6 Weeks): 7, Downloads (12 Months): 50, Downloads (Overall): 460, Citation Count: 1

The electronic submission of student work is an issue that every computer science department must deal with in one way or another. Many departments use the least common denominator: email. Despite its convenience, email can be difficult to organize and ...

2 [Open source, freeware, and shareware resources for web programming: tutorial presentation](#)[Karen Anewalt](#), [Ernest Ackermann](#)

February 2005

Journal of Computing Sciences in Colleges, Volume 20 Issue 3**Publisher:** Consortium for Computing Sciences in CollegesFull text available: [Pdf](#) (172.39 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 44, Downloads (Overall): 337, Citation Count: 1

In response to the recommendations in Computing Curricula 2001 and market demands, an increasing number of institutions are integrating courses on Web programming and net-centric computing into their curriculum as core courses or electives. Many institutions ...

3 [Emulation - a useful tool in the development of computer systems](#)[F. A. Salomon](#), [D. A. Taluri](#)

March 1982

ANSS '82: Proceedings of the 15th annual symposium on Simulation**Publisher:** IEEE Computer Society PressFull text available: [Pdf](#) (749.55 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 16, Downloads (Overall): 217, Citation Count: 1

Emulation is playing a key role in the development of a BELLMAC-32A microprocessor-based computer system at Bell Telephone Laboratories. The emulation is used for the development of the operating system for the new computer system to permit both hardware ...

4 [Context-Aware Code Certification](#)[Julia Eusterbrock](#)September **ASE '04: Proceedings of the 19th IEEE international conference on Automated software engineering**

2004

Publisher: IEEE Computer Society

Full text available:  [Publisher Site](#)Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count: 0

One challenging issue in automated software engineering is to ensure safety of software execution in changing contexts. In such a scenario, various users, the "code consumers", download an application from a remote server and execute it in their heterogeneous ...

5 [Securing the download of radio configuration files for software defined radio devices](#)[Alessandro Bawerman, Douglas Brough, Benny Bing](#)October **MobiWac '04: Proceedings of the second international workshop on Mobility management & wireless access protocols**

2004

Publisher: ACM  [Request Permissions](#)Full text available:  Pdf (150.74 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)


Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 52, Downloads (Overall): 431, Citation Count: 1

Radio configuration (R-CFG) files for software defined radio (SDR) devices can be downloaded over the air, allowing these devices to support multi-mode functionality using a single transceiver. SDR device manufacturers are likely to provide the R-CFGs, ...

Keywords: analysis of protocols, radio configuration, security and privacy issues and software

6 [Priority: progress streaming for quality-adaptive multimedia](#)[Charles Krasio, Jonathan Walpole](#)October **MULTIMEDIA '01: Proceedings of the ninth ACM international conference on Multimedia**

2001

Publisher: ACM  [Request Permissions](#)Full text available:  Pdf (866.57 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)


Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 12, Downloads (Overall): 150, Citation Count: 5

The Internet's ubiquity amply motivates us to harness it for video distribution, however, its best-effort service model is in direct conflict with video's inherent timeliness requirements. Today, the Internet is unrivaled in its rich composition, consisting ...

7 [WISE3: the Third International Workshop on Intelligent Software Engineering \(workshop session\)](#)[Tim Menzies](#)June **ICSE '00: Proceedings of the 22nd international conference on Software engineering**

2000

Publisher: ACM

Full text available:  Pdf (218.76 KB)Additional Information: [full citation](#), [abstract](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 17, Downloads (Overall): 105, Citation Count: 0

There is a growing realization that the design of effective software engineering tools must be smarter. Real world software specs can be very intricate. Manual browsing by a software engineer cannot reveal its subtleties. Automatic tools are required ...

8 [Scheduling student employees doesn't have to make you crazy](#)



[Jim Osborn](#)

November

SI GUCCS '05: Proceedings of the 33rd annual ACM SIGUCCS conference on User services

2005

Publisher: ACM [Request Permissions](#)

Full text available: [PDF](#) (179.00

KB)

Additional Information: [full citation](#), [abstract](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 30, Downloads (Overall): 173, Citation Count: 0

Scheduling student employees is a challenge for most of us. At the University of Wyoming, we started out doing this by hand. As our pool of student employees grew, we used Excel and PageMaker to make the process cleaner, but it still required about 75 ...

Keywords: out-sourcing, payroll, scheduling, student employees, timecards, web-based solutions

9 [Easy access to remote graphical UNIX applications for windows users](#)



[Richard R. Repasky](#)

October

SI GUCCS '04: Proceedings of the 32nd annual ACM SIGUCCS conference on User services

2004

Publisher: ACM [Request Permissions](#)

Full text available: [PDF](#) (49.39

KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 24, Downloads (12 Months): 112, Downloads (Overall): 2409, Citation Count: 0

A barrier deters Windows users from evaluating graphical scientific software that runs only on remote UNIX systems. Graphical UNIX applications are based on X Windows. To make use of X applications, Windows users must install an X server, install communications ...

Keywords: Microsoft windows, X windows, X11 forwarding, open source software, remote graphical application

10 [JASON: an open platform for discovering and hosting applications in ad hoc networks](#)



[Nicolas Le Sommer, Hervé Roussain](#)

June

UbiMob '04: Proceedings of the 1st French-speaking conference on Mobility and ubiquity

2004

computing

Publisher: ACM

Full text available: [PDF](#) (307.24

KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 5, Downloads (Overall): 123, Citation Count: 0

This paper presents a platform called JASON, which allows owners of mobile devices to discover software applications that can be made available to them spontaneously by the other members of their network. It also permits them to announce the applications ...

Keywords: ad-hoc networks, discovery and accommodations of untrusted applications, secure deployment environment

11 [Proceedings of the 2005 OOPSLA workshop on Eclipse technology eXchange](#)



[Margaret-Anne Storey, Michael G. Burke, Li-Te Cheng, André van der Hoek](#)

October

eclipse '05: Proceedings of the 2005 OOPSLA workshop on Eclipse technology eXchange

2005

Publisher: ACM

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count: 0

eTX and The Eclipse Phenomenon The following sketches the history of the Eclipse project and the eTX events. The Eclipse Project The Eclipse Project began in April 1999 at IBM's OTI laboratory. It was initially conceived as ...

12 [Sci-Mate—a microcomputer system for Online Search and Personal File Management](#)



David Lefkowitz, David Toliver

January **ACM 83**: Proceedings of the 1983 annual conference on Computers : Extending the human resource

Publisher: ACM [Request Permissions](#)

Full text available: [Pdf](#) (267.98 KB)

Additional Information: [full citation](#), [abstract](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 6, Downloads (Overall): 86, Citation Count: 0

Sci-Mate is a microcomputer software package that has two independent, but related, components. One is called the Universal Online Searcher (UOS). It enables a person to search five online host systems using a single menu-driven language and to download ...

13 [N.A.G.: network auralization for Gnutella](#)



Jason Freeman

October **MULTIMEDIA '04**: Proceedings of the 12th annual ACM international conference on Multimedia 2004

Publisher: ACM [Request Permissions](#)

Full text available: [Pdf](#) (192.00 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 11, Downloads (Overall): 135, Citation Count: 0

N.A.G. (Network Auralization for Gnutella) is interactive software art designed to actively involve a lay public without musical training in a creative musical experience. Users enter search keywords, and the software looks for matching music files on ...

Keywords: Gnutella, Java, MP3, audio, auralization, file sharing, music, peer to peer, remix, software art, sonification

14 [The structuring of a wireless internet application for a music-on-demand service on UMTS devices](#)



Marco Roccella, Vittorio Ghini, Paola Salomoni, Alessandro Gambetti, Davide Melandri, Mirko Piaggini, Daniela Salsi

March **SAC '02**: Proceedings of the 2002 ACM symposium on Applied computing 2002

Publisher: ACM [Request Permissions](#)

Full text available: [Pdf](#) (858.84 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 13, Downloads (Overall): 533, Citation Count: 2

Developing enhanced wireless Internet applications is becoming one of the upcoming challenges for mobile radio networks operators. In this paper we introduce and discuss the general software architecture of a wireless Internet-based application we have ...

Keywords: UMTS, digital media on UMTS devices, music on demand, performance evaluation, wireless multimedia applications

15 [Collaboration and multimedia authoring on mobile devices](#)



Eyal de Lara, Ramesh Kumar, Dan S. Wallach, Willy Zwaenepoel

May **MobiSys '03**: Proceedings of the 1st international conference on Mobile systems, applications and 2003 services


Publisher: ACM [Request Permissions](#)

Full text available: [Pdf](#) (4.01 MB)



Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 66, Downloads (Overall): 437, Citation Count: 11


This paper introduces *adaptation-aware editing* and *progressive update propagation*, two novel mechanisms that enable authoring multimedia content and collaborative work on mobile devices. Adaptation-aware editing enables editing content ...

16 [A new approach for the construction of ALM trees using layered video coding](#) [Yohel Okada](#), [Masato Oguro](#), [Jiro Katto](#), [Sakae Okubo](#)**November** **P2PMMS'05: Proceedings of the ACM workshop on Advances in peer-to-peer multimedia streaming****Publisher:** ACM  [Request Permissions](#)Full text available:  [HTML](#) (532.15 KB)**Additional Information:** [full citation](#), [abstract](#), [references](#), [index terms](#)**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 36, Downloads (Overall): 377, Citation Count: 2



This paper presents a novel approach for efficient tree construction in ALM (Application Layer Multicast) using layered video coding. This mechanism is suitable for the users in heterogeneous environment such as xDSL and CATV, where upload and download ...

Keywords: application layer multicast, layered video coding, overlay network**17** [Introduction](#) [Thomas F. Stafford](#)**August 2005****Communications of the ACM**, Volume 48 Issue 8**Publisher:** ACM  [Request Permissions](#)Full text available:  [HTML](#) (7.22 KB),  [PDF](#) (345.07 KB)**Additional Information:** [full citation](#), [appendices and supplements](#), [abstract](#), [cited by](#), [index terms](#)**Bibliometrics:** Downloads (6 Weeks): 10, Downloads (12 Months): 106, Downloads (Overall): 1866, Citation Count: 1

Anyone who has ever dealt with spyware knows the irritation of lost bandwidth, the frustration of commandeered machine processor cycles, the innumerable pop-up ads and spam trails that result from an infestation. It is indeed a threat to computer security, ...

18 [The front line battle against P2P](#) [Douglas Ennis](#), [Divyangi Anchan](#), [Mahmoud Pegah](#)**October****SIGUCCS '04: Proceedings of the 32nd annual ACM SIGUCCS conference on User services****2004****Publisher:** ACM  [Request Permissions](#)Full text available:  [HTML](#) (254.87 KB)**Additional Information:** [full citation](#), [abstract](#), [index terms](#)**Bibliometrics:** Downloads (6 Weeks): 7, Downloads (12 Months): 65, Downloads (Overall): 886, Citation Count: 0

One of the prevalent topics under discussion in educational environments today is the use of P2P (peer-to-peer) software. Aside from being major bandwidth-eaters, the use of such software to distribute and download copyrighted material has significant ...

Keywords: IPTables, firewall, intrusion detection, log parsing tool, log server, peer-to-peer software, router, snort, snortsam**19** [Low-Cost Software-Based Self-Testing of RISC Processor Cores](#)[N. Kranitis](#), [G. Xenoulis](#), [D. Gizopoulos](#), [A. Paschalis](#), [Y. Zorian](#)**March****DATE '03: Proceedings of the conference on Design, Automation and Test in Europe****2003****Volume 1**, Volume 1**Publisher:** IEEE Computer SocietyFull text available:  [Publisher Site](#),  [PDF](#) (156.67 KB)**Additional Information:** [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)**Bibliometrics:** Downloads (6 Weeks): 7, Downloads (12 Months): 36, Downloads (Overall): 141, Citation Count: 6

Software self-testing of embedded processor cores which effectively partitions the testing effort between low-speed external equipment and internal processor resources, has been recently proposed as an alternative to classical hardware built-in self-test ...

20 [Active netlib: an active mathematical software collection for inquiry-based computational science & engineering education](#)



[Shirley Moore, A. J. Baker, Jack Dongarra](#)

July JCDL '02: Proceedings of the 2nd ACM/IEEE-CS joint conference on Digital libraries
2002

Publisher: ACM [Request Permissions](#)

Full text available: Pdf (119.73 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 11, Downloads (Overall): 155, Citation Count: 0

A core subject in the undergraduate education of application scientists and engineers is the use of mathematical software to solve computational problems. To make effective use of mathematical software, application developers need a basic understanding ...

Keyw ords: computational problems, computational science, computational servers, education, engineering, interactive interfaces, learning environments, linear algebra, mathematical software, numerical analysis, numerical methods, software reuse, solvers

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